

The Decomposition Analysis of China Provincial Energy Demand Based on Revised Provincial IO Tables

Topic:

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The driving force of energy demands in different provinces is quite different from each other. From demand side, for some provinces, the energy demands come from the increase of capital investment, like Shandong, Tianjin, etc. for other provinces, the energy demands are driven by outflow to other provinces and export to other countries.

However, for the 30 original provincial IO tables of 2012 from NBS, there are big discrepancies for each product between total inflow and outflow of all provinces. In this study, we try to compromise the total inflow and outflow for each provincial IO table based on building the trade flow matrix, and then decompose the energy demand for the contribution of domestic consumption, domestic investment, outflow and export.